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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/812,388

03/30/2004

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P-6581-US

1737

49444 7590 10/06/2008
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EXAMINER

BOKHARI, SYED M

ART UNIT

PAPER NUMBER

2416

MAIL DATE

DELIVERY MODE

10/06/2008

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/812,388	Applicant(s) GUPTA ET AL.	
	Examiner SYED BOKHARI	Art Unit 2616	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 10 June 2008.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1,4-10,13-16,19 and 22-28 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1,4-10,13-16,19 and 22-28 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Response to Amendment

1. Applicant's amendment filed on June 10th, 2008 has been entered. Claims 2-3, 11-12, 17-18, 20-21 and 29-30 have been canceled. Claims 1, 4, 10, 13, 16, 19, 22 and 28 have been amended. Claims 1, 4-10, 13-16, 19 and 22-28 are pending in the application.

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. The factual inquiries set forth in *Graham v. John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:

1. Determining the scope and contents of the prior art.
2. Ascertaining the differences between the prior art and the claims at issue.
3. Resolving the level of ordinary skill in the pertinent art.
4. Considering objective evidence present in the application indicating obviousness or nonobviousness.

4. This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein

were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

5. Claims 1, 4, 10, 13, 16, 19, 22 and 28 are rejected under 35 U.S.C. 103(a) as being unpatentable over Krantz et al. (US 2004/0111520 A1) in view of Karaoguz (USP 7,289,813 B2).

Krantz et al discloses a network architecture that includes wireless access points between clients and data routing devices for configuring computer system to appropriately communicate with the following features: regarding claim 1, determining at the wireless communication station whether a wireless communication station is authorized to configure a wireless access point based on a comparison of the first string to a second string entered at the wireless communication station (Fig 2, a network architecture that can facilitate increasing the level of automation when provisioning a client, see “the client credential received by the access point 209 are sent to server 215 where authentication module 217 compares the identifier with entries in the database 218 for authorizing or not authorizing of the access” recited in paragraph 0075 lines 6-8 and paragraph 0076 lines 1-12); regarding claim 4, comprising performing an ownership-setting process between the wireless communication station and the wireless access point if the first string matches the second string (Fig 2, a network architecture

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that can facilitate increasing the level of automation when provisioning a client, see “if the identifier matches with the entries in the database 218 the client 205 is authorized to access resources” recited in paragraph 0076 lines 4-12); regarding claim 10, a processor to determine at the wireless communication station whether a wireless communication station is authorized to configure a wireless access point based on a comparison of a first string transmitted to a second string entered in response to a user query at the wireless communication station (Fig 2, a network architecture that can facilitate increasing the level of automation when provisioning a client, see “the client credential received by the access point 209 are sent to server 215 where authentication module 217 compares the identifier with entries in the database 218 for authorizing the access” recited in paragraph 0075 lines 6-8 and paragraph 0076 lines 1-12); regarding claim 13, wherein the processor is able to perform an ownership-setting process between the wireless communication station and the wireless access point if the first string matches the second string (Fig 2, a network architecture that can facilitate increasing the level of automation when provisioning a client, see “if the identifier matches with the entries in the database 218 the client 205 is authorized to access resources” recited in paragraph 0076 lines 4-12); regarding claim 16, a wireless communication station comprising: a dipole antenna (Fig. 1, architecture of computer system, see “computer system includes wireless access point or wireless station that normally utilizes dipole antenna” recited in paragraph 0047 lines 7-15) and a processor to determine at the wireless communication station whether the wireless communication station is authorized to configure the wireless access point based on a comparison of a

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first string transmitted to a second string entered in response to a user query at the wireless communication station (Fig 2, a network architecture that can facilitate increasing the level of automation when provisioning a client, see “the client credential received by the access point 209 are sent to server 215 where authentication module 217 compares the identifier with entries in the database 218 for authorizing the access” recited in paragraph 0075 lines 6-8 and paragraph 0076 lines 1-12); regarding claim 19, a wireless communication system comprising a wireless access point (Fig. 1, architecture of computer system, see “computer system includes wireless access point or wireless station that normally utilizes dipole antenna” recited in paragraph 0047 lines 7-15) and a wireless communication station to determine at the wireless communication station whether the wireless communication station is authorized to configure the wireless access point based on a comparison of the first string to a second string entered in response to a user query at the wireless communication station (Fig 2, a network architecture that can facilitate increasing the level of automation when provisioning a client, see “the client credential received by the access point 209 are sent to server 215 where authentication module 217 compares the identifier with entries in the database 218 for authorizing the access” recited in paragraph 0075 lines 6-8 and paragraph 0076 lines 1-12); regarding claim 22, wherein the wireless communication station is able to perform an ownership-setting process between the wireless communication station and the wireless access point if the first string matches the second string (Fig 2, a network architecture that can facilitate increasing the level of automation when provisioning a client, see “if the identifier matches with the entries in

the database 218 the client 205 is authorized to access resources" recited in paragraph 0076 lines 4-12) and regarding claim 28, a machine-readable medium having stored thereon a set of instructions that, if executed by a machine, cause the machine to perform a method comprising (Fig. 1, architecture of computer system, see "invention includes computer-readable media for carrying or having executable instructions stored therein" recited in paragraph 0036 lines 1-14) determining at the wireless communication station whether the wireless communication station is authorized to configure the wireless access point based on a comparison of the first string transmitted to a second string entered in response to a user query at the wireless communication station (Fig 2, a network architecture that can facilitate increasing the level of automation when provisioning a client, see "the client credential received by the access point 209 are sent to server 215 where authentication module 217 compares the identifier with entries in the database 218 for authorizing the access" recited in paragraph 0075 lines 6-8 and paragraph 0076 lines 1-12).

Krantz et al. do not disclose the following features: regarding claim 1, a method comprising transmitting a wireless probe request signal from a wireless communication station to a wireless access point not associated with the wireless communication station indicating that the wireless communication station supports a certain configuration protocol and receiving a wireless probe response signal including an indication that said wireless access point supports said certain configuration protocol, wherein the wireless probe response signal includes said first string indicating a unique identifier of the wireless access point; regarding claim 10, an apparatus comprising a

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transmitter to transmit a wireless probe request signal from a wireless communication station to a wireless access point not associated the wireless communication station indicating that the wireless communication station supports a certain configuration protocol, a receiver to receive a wireless probe response signal from a wireless access point including an indication that the wireless access point supports the certain configuration protocol and wherein the wireless probe response signal includes at least a first string indicating a unique identifier of the wireless access point; regarding claim 16, a transmitter to transmit a wireless probe request signal from a wireless communication station to a wireless access point not associated the wireless communication station indicating that the wireless communication station supports a certain configuration protocol, a receiver to receive a wireless probe response signal from a wireless access point including an indication that the wireless access point supports the certain configuration protocol and wherein the wireless probe response signal includes at least a first string indicating a unique identifier of the wireless access point; regarding claim 19, to transmit a wireless probe request to a wireless access point indicating that the wireless communication station supports a certain configuration protocol, to receive a wireless probe response signal from a wireless access point including an indication that the wireless access point supports the certain configuration protocol and wherein the wireless probe response signal includes at least a first string indicating a unique identifier of the wireless access point; regarding claim 28, transmitting a wireless probe request signal from a wireless communication station to a wireless access point not associated with the wireless communication station indicating

that the wireless communication station supports a certain configuration protocol and receiving a wireless probe response signal including an indication that said wireless access point supports said certain configuration protocol, wherein the wireless probe response signal includes said first string indicating a unique identifier of the wireless access point.

Karaoguz discloses a communication system for using signal-generated location information to identify available devices with the following features: regarding claim 1, a method comprising transmitting a wireless probe request signal indicating that the wireless communication station supports a certain configuration protocol (Fig. 4, flow chart illustrating a method of displaying information of the device, see "the device locator sends out a message containing protocol information to one or more wireless devices at step 405" recited in column 4 lines 65-67, column 5 lines 1-3 and lines 24-27), receiving a wireless probe response signal including an indication that the wireless access point supports the certain configuration protocol (Fig. 4, flow chart illustrating a method of displaying information of the device, see "wireless device receives the message signal, processes it at step 415 and send the acknowledgement to originating device step 420" recited column 5 lines 15-27) and wherein the wireless probe response signal includes the first string (Fig. 4, flow chart illustrating a method of displaying information of the device, see "the method can include the steps of activating a signal generated locator transmitting first signal" recited column 1 lines 59-67 and column 5 lines 27-29); regarding claim 10, an apparatus comprising a transmitter to transmit a wireless probe request signal from a wireless communication station to a

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wireless access point not associated the wireless communication station indicating that the wireless communication station supports a certain configuration protocol (Fig. 4, flow chart illustrating a method of displaying information of the device, see "the device locator sends out a message containing protocol information to one or more wireless devices at step 405" recited in column 4 lines 65-67, column 5 lines 1-3 and lines 24-27), a receiver to receive a wireless probe response signal from a wireless access point including an indication that the wireless access point supports the certain configuration protocol (Fig. 4, flow chart illustrating a method of displaying information of the device, see "wireless device receives the message signal, processes it at step 415 and send the acknowledgement to originating device step 420" recited column 5 lines 15-27) and wherein the wireless probe response signal includes at least a first string indicating a unique identifier of the wireless access point (Fig. 4, flow chart illustrating a method of displaying information of the device, see "the method can include the steps of activating a signal generated locator transmitting first signal" recited column 1 lines 59-67 and column 5 lines 27-29); regarding claim 16, a transmitter to transmit a wireless probe request signal from a wireless communication station to a wireless access point not associated the wireless communication station indicating that the wireless communication station supports a certain configuration protocol (Fig. 4, flow chart illustrating a method of displaying information of the device, see "the device locator sends out a message containing protocol information to one or more wireless devices at step 405" recited in column 4 lines 65-67, column 5 lines 1-3 and lines 24-27), a receiver to receive a wireless probe response signal from a wireless access point

including an indication that the wireless access point supports the certain configuration protocol (Fig. 4, flow chart illustrating a method of displaying information of the device, see "wireless device receives the message signal, processes it at step 415 and send the acknowledgement to originating device step 420" recited column 5 lines 15-27) and wherein the wireless probe response signal includes at least a first string indicating a unique identifier of the wireless access point (Fig. 4, flow chart illustrating a method of displaying information of the device, see "the method can include the steps of activating a signal generated locator transmitting first signal" recited column 1 lines 59-67 and column 5 lines 27-29); regarding claim 19, to transmit a wireless probe request to a wireless access point indicating that the wireless communication station supports a certain configuration protocol (Fig. 4, flow chart illustrating a method of displaying information of the device, see "the device locator sends out a message containing protocol information to one or more wireless devices at step 405" recited in column 4 lines 65-67, column 5 lines 1-3 and lines 24-27), to receive a wireless probe response signal from a wireless access point including an indication that the wireless access point supports the certain configuration protocol (Fig. 4, flow chart illustrating a method of displaying information of the device, see "wireless device receives the message signal, processes it at step 415 and send the acknowledgement to originating device step 420" recited column 5 lines 15-27) and wherein the wireless probe response signal includes at least a first string indicating a unique identifier of the wireless access point (Fig. 4, flow chart illustrating a method of displaying information of the device, see "the method can include the steps of activating a signal generated locator transmitting first signal"

recited column 1 lines 59-67 and column 5 lines 27-29); regarding claim 28, transmitting a wireless probe request signal from a wireless communication station to a wireless access point not associated with the wireless communication station indicating that the wireless communication station supports a certain configuration protocol (Fig. 4, flow chart illustrating a method of displaying information of the device, see "the device locator sends out a message containing protocol information to one or more wireless devices at step 405" recited in column 4 lines 65-67, column 5 lines 1-3 and lines 24-27) and receiving a wireless probe response signal including an indication that said wireless access point supports said certain configuration protocol (Fig. 4, flow chart illustrating a method of displaying information of the device, see "wireless device receives the message signal, processes it at step 415 and send the acknowledgement to originating device step 420" recited column 5 lines 15-27) and wherein the wireless probe response signal includes said first string indicating a unique identifier of the wireless access point (Fig. 4, flow chart illustrating a method of displaying information of the device, see "the method can include the steps of activating a signal generated locator transmitting first signal" recited column 1 lines 59-67 and column 5 lines 27-29).

It would have been obvious to one of the skill in the art at the time of invention to modify the system of Krantz et al. by using the features, as taught by Karaoguz, in order to provide transmitting a wireless probe request signal from a wireless communication station to a wireless access point not associated with the wireless communication station indicating that the wireless communication station supports a certain configuration protocol and receiving a wireless probe response signal including an

indication that said wireless access point supports said certain configuration protocol, wherein the wireless probe response signal includes said first string indicating a unique identifier of the wireless access point. The motivation of using these functions is to enhance the system in accost effective manner.

6. Claims 5-7, 14-15 and 23-25 are rejected under 35 U.S.C. 103(a) as being unpatentable over Krantz et al. (US 2004/0111520 A1) in view of Karaoguz (USP 7,289,813 B2) as applied to claims 1, 10, 16 and 19 above, and further in view of Ishidoshiro (US 2004/0076300 A1).

Krantz et al. and Karaoguz disclose the claimed limitations in paragraph 2 and 6 above. Krantz et al. and Karaoguz do not disclose the following features: regarding claim 5, comprising performing an ownership-setting process between the wireless communication station and the wireless access point if the first string matches the second string; regarding claim 6, comprising transmitting a value of a configuration parameter encrypted using the encryption key; regarding claim 7, comprising decrypting by the wireless access point the encrypted transmission; regarding claim 14, wherein the processor is able to establish an encryption key for secure communications between the wireless access point and the wireless communication station; regarding claim 15, wherein the transmitter is able to transmit a value of a configuration parameter encrypted using the encryption key; regarding claim 23, wherein the wireless

communication station is able to establish an encryption key for secure communications between the wireless access point and the wireless communication station; regarding claim 24, wherein the wireless communication station is able to transmit a value of a configuration parameter encrypted using the encryption key; regarding claim 25, wherein the wireless access point is able to decrypt the encrypted transmission.

Ishidoshiro discloses a communication system for access point encryption key setting with the following features: regarding claim 5, comprising performing an ownership-setting process between the wireless communication station and the wireless access point if the first string matches the second string (Fig. 1, hardware structure of an encryption key setting system, see “the encryption key setting method sets the encryption key which is used to encrypt the radio communication data transmitted between the access points” recited in paragraph 0021 lines 1-9); regarding claim 6, comprising transmitting a value of a configuration parameter encrypted using the encryption key (Fig. 1, hardware structure of an encryption key setting system, see “the access point 20 encrypts the detailed data with an encryption key prior to the transmission” recited in paragraph 0049 lines 4-11); regarding claim 7, comprising decrypting by the wireless access point the encrypted transmission (Fig. 1, hardware structure of an encryption key setting system, see “the receiver device decrypts the received encrypted data with WEP key” recited in paragraph 0049 lines 11-13); regarding claim 14, wherein the processor is able to establish an encryption key for secure communications between the wireless access point and the wireless communication station (Fig. 1, hardware structure of an encryption key setting system,

see “the encryption key setting method sets the encryption key which is used to encrypt the radio communication data transmitted between the access points” recited in paragraph 0021 lines 1-9); regarding claim 15, wherein the transmitter is able to transmit a value of a configuration parameter encrypted using the encryption key (Fig. 1, hardware structure of an encryption key setting system, see “the access point 20 encrypts the detailed data with an encryption key prior to the transmission” recited in paragraph 0049 lines 4-11); regarding claim 23, wherein the wireless communication station is able to establish an encryption key for secure communications between the wireless access point and the wireless communication station (Fig. 1, hardware structure of an encryption key setting system, see “the encryption key setting method sets the encryption key which is used to encrypt the radio communication data transmitted between the access points” recited in paragraph 0021 lines 1-9); regarding claim 24, wherein the wireless communication station is able to transmit a value of a configuration parameter encrypted using the encryption key (Fig. 1, hardware structure of an encryption key setting system, see “the access point 20 encrypts the detailed data with an encryption key prior to the transmission” recited in paragraph 0049 lines 4-11); regarding claim 25, wherein the wireless access point is able to decrypt the encrypted transmission (Fig. 1, hardware structure of an encryption key setting system, see “the receiver device decrypts the received encrypted data with WEP key” recited in paragraph 0049 lines 11-13).

It would have been obvious to one of the ordinary skill in the art at the time of invention to modify the system of Krantz et al. with Karaoguz, by using the features, as

taught by Ishidoshiro, in order to provide of performing an ownership-setting process between the wireless communication station and the wireless access point if the first string matches the second string, transmitting a value of a configuration parameter encrypted using the encryption key and decrypting by the wireless access point the encrypted transmission. The motivation of using these functions is to enhance the system in a cost effective manner.

7. Claims 8-9, and 26-27 are rejected under 35 U.S.C. 103(a) as being unpatentable over Krantz et al. (US 2004/0111520 A1) in view of Karaoguz (USP 7,289,813 B2) as applied to claims 1, 10, 16 and 19 above, and further in view of Ishidoshiro (US 2004/0076300 A1) and Rector et al. (US 2003/0212802 A1).

Krantz et al., Karaoguz and Ishidoshiro disclose the claimed limitations in paragraph 2, 6 and 7 above. Krantz et al. also discloses the following features: regarding claim 9, Protected Access--Pre-Shared Key (WPA-PSK) (Fig. 1, hardware structure of an encryption key setting system, see "the WPA (Wi-Fi protected access) encryption technique having the higher strength than the WEP" recited in paragraph 0074 lines 1-9).

Krantz et al., Karaoguz and Ishidoshiro do not disclose the following features: regarding claim 8, comprising setting a value of a parameter of the wireless access point based on the decrypted transmission; regarding claim 9, wherein setting a value of a parameter comprises setting a value of at least one of a Service Set Identifier (SSID);

regarding claim 26, wherein the wireless access point is able to set a value of a parameter of the wireless access point based on the decrypted transmission and regarding claim 27, wherein the value comprises a value of at least one of a Service Set Identifier (SSID).

Rector et al. discloses communication system for proximity network encryption and setup with the following features: regarding claim 8, comprising setting a value of a parameter of the wireless access point based on the decrypted transmission (Fig. 1, computer system that performs a method of automatically providing configuration setup to a network device, see “device connecting to gateway component 106 on wireless link must be configured with communications parameters” recited in paragraph 0017 lines 1-6); regarding claim 9, wherein setting a value of a parameter comprises setting a value of at least one of a Service Set Identifier (SSID) (Fig. 1, computer system that performs a method of automatically providing configuration setup to a network device, see “these parameters include the service set SSID” recited in paragraph 0017 lines 6-13); regarding claim 26, wherein the wireless access point is able to set a value of a parameter of the wireless access point based on the decrypted transmission (Fig. 1, computer system that performs a method of automatically providing configuration setup to a network device, see “device connecting to gateway component 106 on wireless link must be configured with communications parameters” recited in paragraph 0017 lines 1-6) and regarding claim 27, wherein the value comprises a value of at least one of a Service Set Identifier (SSID) (Fig. 1, computer system that performs a method of

automatically providing configuration setup to a network device, see “these parameters include the service set SSID” recited in paragraph 0017 lines 6-13).

It would have been obvious to one of the ordinary skill in the art at the time of invention to modify the system of Krantz et al., with Karaoguz and Ishidoshiro, by using the features as taught by Rector et al., in order to provide of setting a value of a parameter of the wireless access point based on the decrypted transmission and setting a value of a parameter comprises setting a value of at least one of a Service Set Identifier (SSID). The motivation of using these functions is to enhance the system in a cost effective manner.

Response to Arguments

8. Applicant's arguments filed June 10th, 2008 have been fully considered but they are not persuasive. Applicant states in the remarks regarding claim 1, “Krantz does not disclose a comparison at the wireless communication station of a first string indicating a unique identifier of a wireless access point with a second string entered at the wireless communication station”. Examiner respectfully disagrees. Krantz teaches the comparison of the first string with second strings entered at the wireless station (see paragraph 0075 lines 6-8 and paragraph 0076 lines 1-12).

Conclusion

9. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to SYED BOKHARI whose telephone number is (571)270-3115. The examiner can normally be reached on Monday through Friday 8:00-17:00 Hrs..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kwang B. Yao can be reached on (571) 272-3182. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Syed Bokhari/

Examiner, Art Unit 2616

9/28/2008

/Kwang B. Yao/

Supervisory Patent Examiner, Art Unit 2616